AMENDMENTS TO THE CLAIMS:

Claims 1-30 are canceled without prejudice or disclaimer. Claims 31-54 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-30 (Cancelled.)

31. (New.) An isolated nucleic acid sequence encoding a polypeptide having glucanotransferase activity, wherein the nucleic acid sequence comprises a nucleic acid sequence selected from the group consisting of:

(a) a nucleic acid sequence encoding a polypeptide having an amino acid sequence which has at least 80% identity with the amino acid sequence shown as amino acids 1 to 501 of SEQ ID NO:2;

(b) a nucleic acid sequence having at least 80% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1;

(c) a nucleic acid sequence which hybridizes under medium stringency conditions with a complementary strand of the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1;

(c) the glucanotransferase encoding part of the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049; and

(d) a nucleic acid sequence having at least 80% identity to the glucanotransferase encoding part of the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

32. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence encoding a polypeptide having an amino acid sequence which has at least 80% identity with the amino acid sequence shown as amino acids 1 to 501 of SEQ ID NO:2.

33. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 80% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

34. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 85% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

35. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 90% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

36. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 95% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

37. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 97% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

38. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 98% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

39. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 99% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

40. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence which hybridizes under medium stringency conditions with a complementary strand of the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

41. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence which hybridizes under high stringency conditions with a complementary strand of the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

42. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises the glucanotransferase encoding part of the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

43. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 80% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

44. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 85% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

45. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 90% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

46. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 95% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

47. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 96% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

48. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 97% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

49. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 98% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

50. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 99% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

51. (New.) A nucleic acid construct comprising the nucleic acid sequence of claim 31 operably linked to one or more control sequences capable of directing the expression of the polypeptide in a suitable expression host.

52. (New.) A recombinant expression vector comprising the nucleic acid construct of claim 51, a promoter, and transcriptional and translational stop signals.

53. (New.) A recombinant host cell comprising the nucleic acid construct of claim 51.

54. (New.) A method for producing polypeptide having glucanotransferase activity, the method comprising:

(a) cultivating a recombinant host cell as defined in claim 53 under conditions conducive to the production of the polypeptide; and

(b) recovering the polypeptide.